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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT, CENTRAL
KAZAKH SSR, 28 FEBRUARY 1975

J. R. Woolson, et al

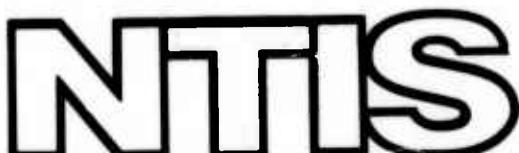
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SPECIAL DATA COLLECTION SYSTEM EVENT REPDR
Central Kazakh SSR, 28 February 1975

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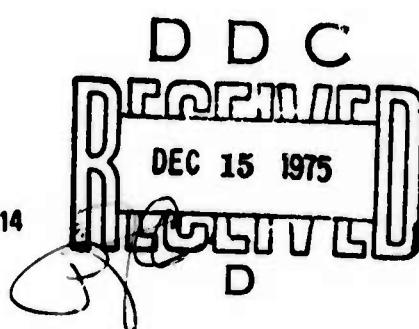
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SDCS Event Report No. 13

Central Kazakh SSR, 28 February 1975

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is:

	Origin Time	Lat.	Long.	Depth	m_b	M_s
NORSAR	23:56:34	36.2N	071.2E	200 km	5.7	-
LASA	23:57:05	42.1N	071.0E	210 km	5.6	-
PDE	23:56:37	36.5N	070.7E	200 km	5.3	
Hagfors Array, Sweden	-	35 N	071 E	-	6.3	4.0
SDCS and Arrays		Source parameters not calculated			5.9*	-

*Determined using LASA, NORSAR and WH2YK.

RK-ON, FN-WV and CPSO were not operational for this event.

Short-period signals associated with this event were recorded at WH2YK, LASA and NORSAR. In view of the limited data, no attempt was made to compute a hypocenter.

The WH2YK horizontal channels have been rotated to effect radial and transverse orientations relative to the event source location.

Severe spiking problems on the short-period system at HN-ME precluded signal identification. SDCS long-period signals were not identifiable by visual analysis. Long-period array data is inconclusive. ALPA radial and transverse data were not recoverable.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response) with the exception of LASA and NORSAR short-period plots. LASA SP scaling factors are millimicrons per inch. Scaling factors are not reported for NORSAR short-period.

STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES DEG MN SEC'S	ELEVATION METERS	INSTRUMENTATION SHORT-PERIOD LONG-PERIOD
ALPA	Alaska	65 14 00.0 N 147 44 36.0 W	626	None
CPSO	McMinnville, Tennessee	35 35 41.4 N 085 34 13.5 W	574	6480 V 7515 H
FN-WV	Franklin, West Virginia	38 32 58.0 N 079 30 47.0 W	910	KS36000
LASA	Billings, Montana	46 41 19.0 N 106 13 20.0 W	744	HS10
HN-ME	Houlton, Maine	46 09 43.0 N 067 59 09.0 W	213	18300
NORSAR	Kjeller,	60 49 25.4 N 010 49 56.5 E	379	HS10
RK-ON	Red Lake, Ontario	50 50 20.0 N 093 40 20.0 W	366	7505A V 8700C H
WH2YK	White Horse, Yukon	60 41 41.0 N 134 58 02.0 W	853	SL210 V SL220 H

Notes:

Details of the program used to obtain beamed vertical, radial and transverse long-period data at LASA, ALPA, and NORSAR are in the process of being reviewed. Vertical beams are probably valid, horizontal beams at the LASA and NORSAR are questionable.

DATA SUMMARY

Sta.	Phase	Arrival* Time	Inst.	Per	A/T	Magnitude**		Dist.***
						m_b	M_s	
NAO	EP	00:04:28.2	AB	0.8	243.0	5.81	--	40.2
WH2YK	EP	00:08:29.6	SPZ	0.8	151.5	6.00	--	75.2
LAO	EP	00:09:48.1	AB	0.9	70.8	5.95	--	91.4

Average m_b = 5.92

* All arrivals are 1 March 1975

** For event source at surface

*** Distances are calculated to LASA epicenter

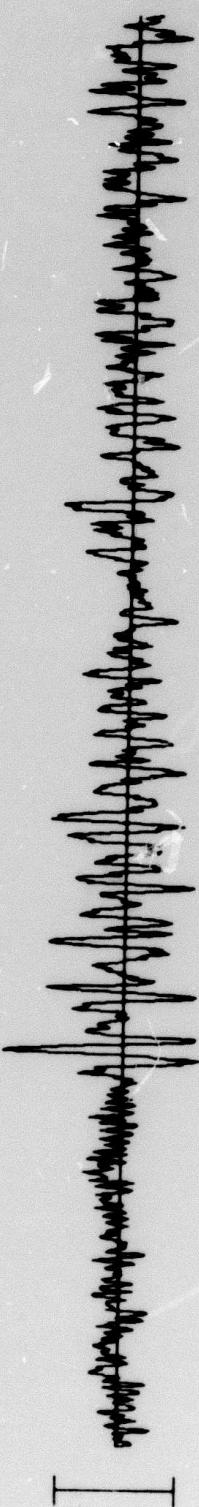
WII2YK 01 MAR 75

00:00:20.0

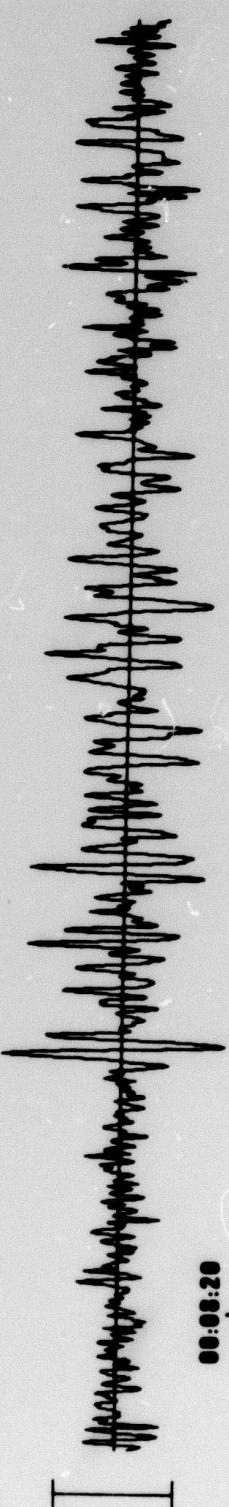
SP2
119.22 Hz



SPR
34.24 Hz



SPT
31.97 Hz



TIME

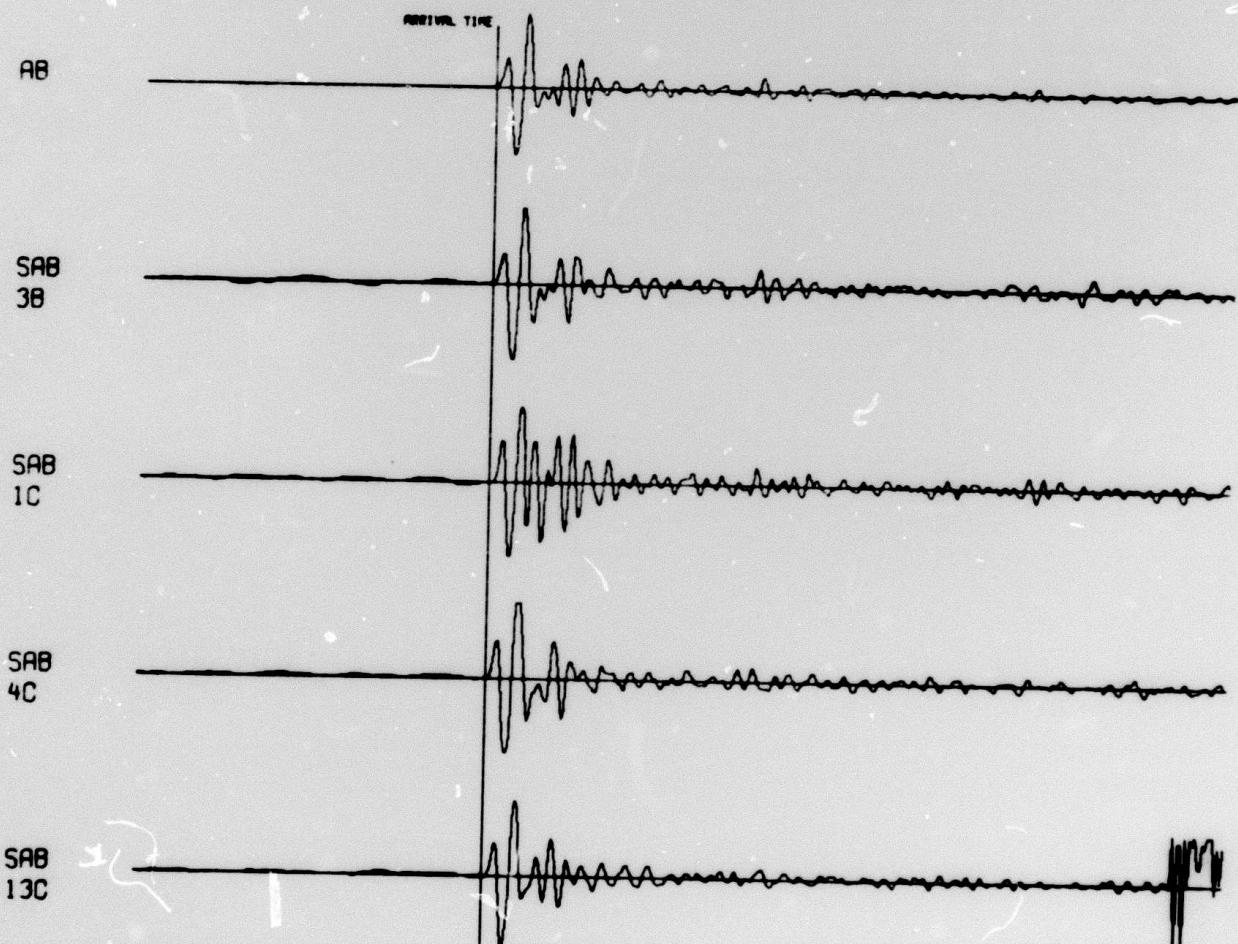
10 sec

NORSAR EVENT FILE

1975 MAR 1

EPX NO. 69540 ARR. 0.4.28.3 35.3N 72.0E 5.8MB 33KM
DIST = 46.0 AZI = 95.0 AMP = 139.5 PER = 0.9 UMETH 2

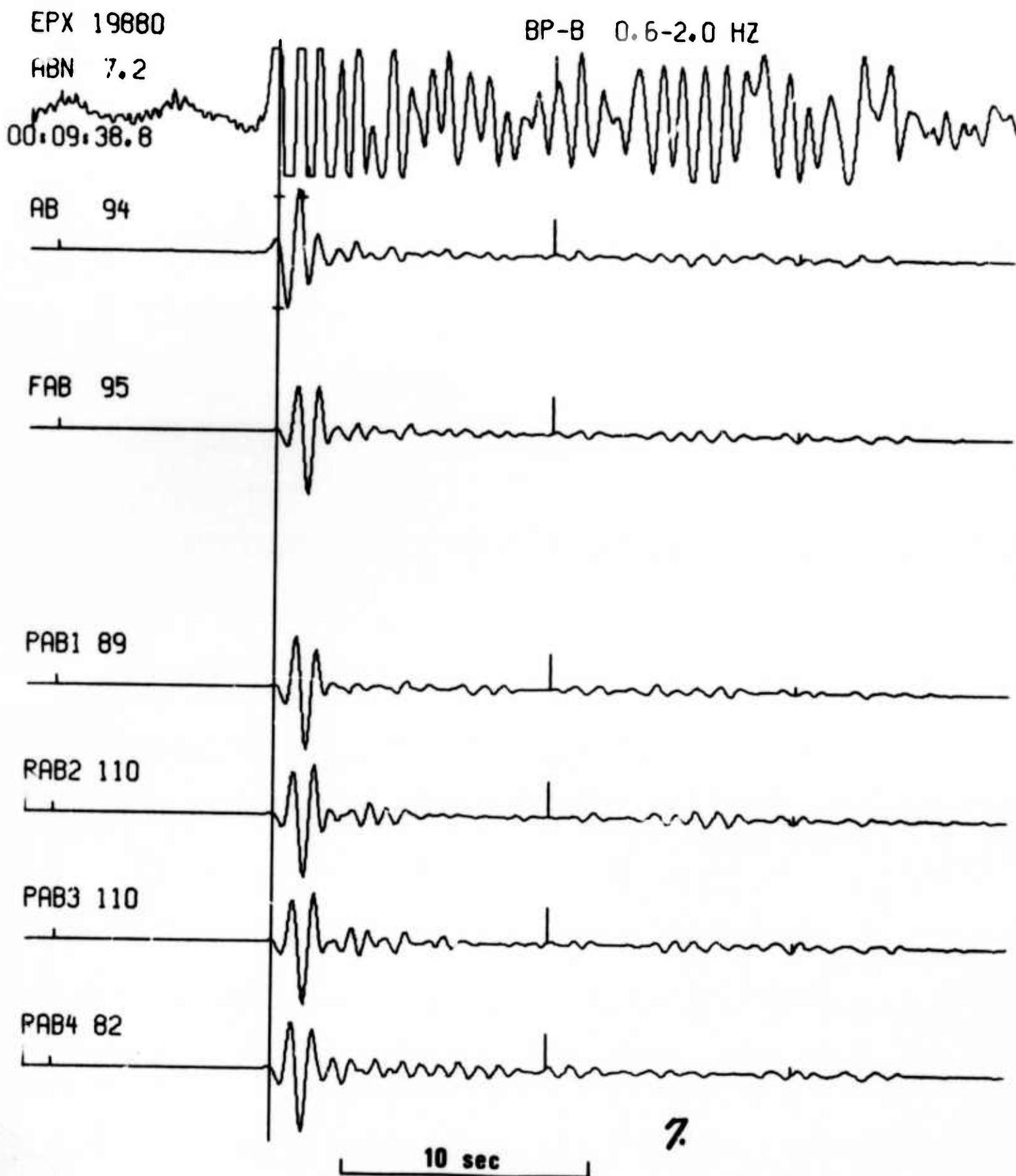
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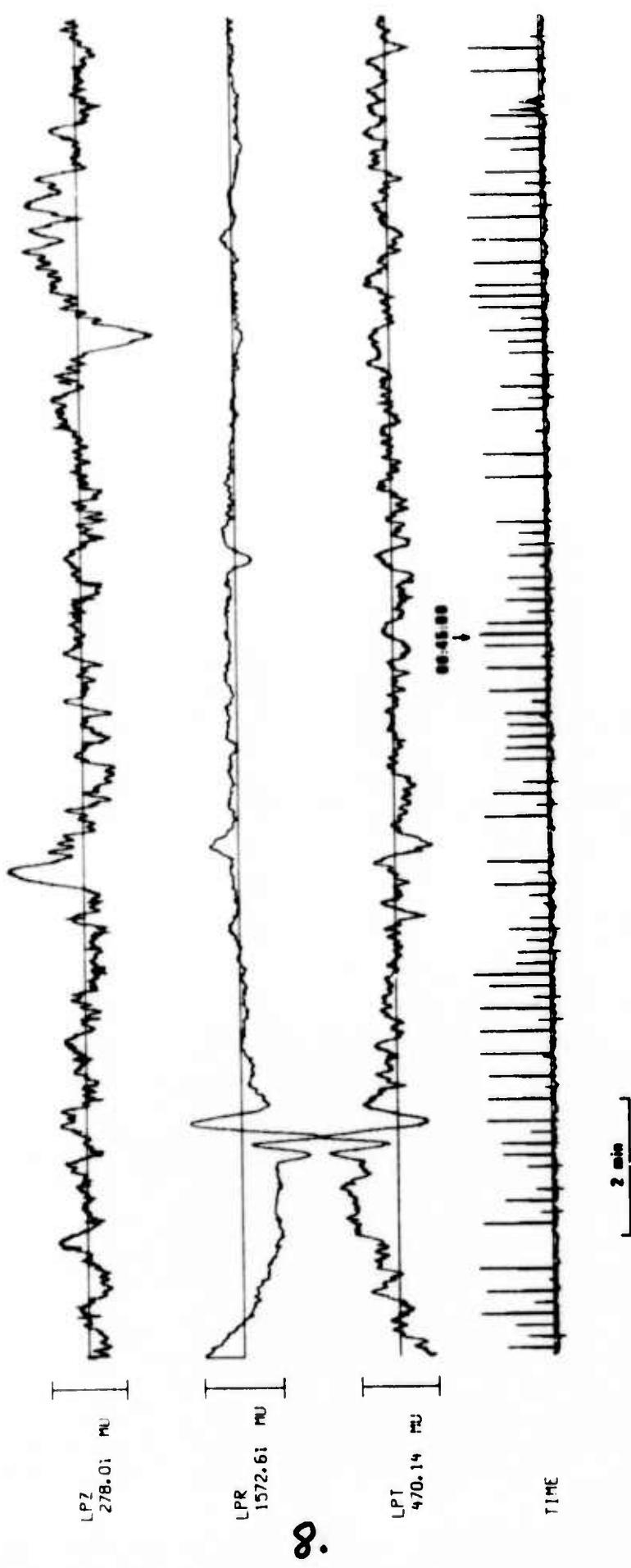
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LASA

1 1 MAR 1975
2 23 57 6 42.1N 71.0E 210G B 5.6 713 CENTRAL KAZAKH SSR
3 0 9 48.8 LAO P 38.2 0.9 24.0 91.6 2.1



WH2YK 01 MAR 75



NORSAR LONG-PERIOD SEAMS

01 MARCH 75

LP VERTICAL

303 mp

LP RADIAL

193 mp

LP TRANSVERSE

317 mp

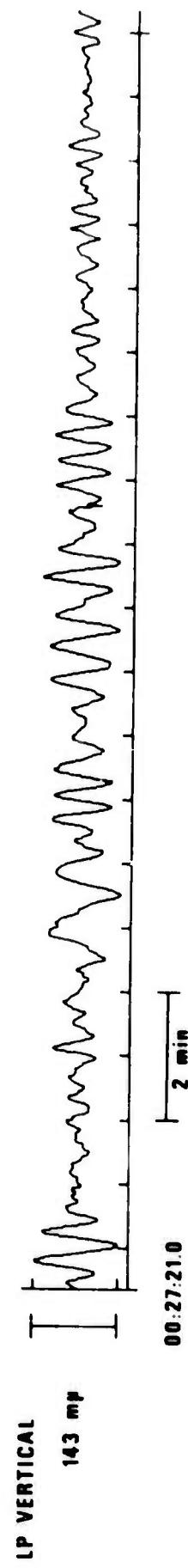
00:12:40.0

2 min

.9.

ALPA LONG-PERIOD BEAM
01 MARCH 75

10.



LASA LONG-PERIOD BEAMS

01 MARCH 75

